

Title (en)  
ZINC-COATED STEEL SHEET

Title (de)  
ZINKBESCHICHTETES STAHLBLECH

Title (fr)  
FEUILLE D'ACIER REVÊTUE DE ZINC

Publication  
**EP 4134469 A4 20230823 (EN)**

Application  
**EP 21812942 A 20210518**

Priority  
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• JP 2021018868 W 20210518

Abstract (en)  
[origin: EP4134469A1] An object of the present invention is, without changing the composition of a base steel sheet, to cover the surface of a galvanized steel sheet with a film that effectively prevents delayed fracture, to thereby provide a galvanized steel sheet having high delayed fracture resistance at low costs. A galvanized steel sheet is covered with an organic resin containing an anticorrosive additive that reduces galvanic current flowing between the zinc coating and the base steel sheet, to thereby considerably suppress intrusion of hydrogen into the steel sheet to prevent delayed fracture of the steel sheet.

IPC 8 full level  
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Citation (search report)  
• [ID] JP 2015209585 A 20151124 - NIPPON STEEL & SUMITOMO METAL CORP  
• [I] WO 9818870 A1 19980507 - SUMITOMO METAL IND [JP], et al  
• [I] EP 1199376 A1 20020424 - NIPPON STEEL CORP [JP]  
• [AD] JP 2017002354 A 20170105 - JFE STEEL CORP  
• [AD] JP 2003041384 A 20030213 - KAWASAKI STEEL CO  
• [A] JP H0967660 A 19970311 - NIPPON STEEL CORP  
• [A] WO 9704957 A1 19970213 - NIPPON KOKAN KK [JP], et al  
• [A] JP 2016176118 A 20161006 - JFE GALVANIZING & COATING CO LTD  
• See also references of WO 2021241338A1

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BA ME

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KH MA MD TN

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